

ABSTRACT

PHOTOELECTRIC DETECTION DEVICE AND METHOD
FOR ITS PRODUCTION

This photoelectric detection device comprises a matrix of elementary detectors on an insulating substrate (1), each of the said elementary detectors comprising a stack consisting of a lower electrode (2), a layer of a photosensitive material (3) and a phototransparent upper electrode (4), the said upper electrode being common to all the elementary detectors, each of the lower electrodes (2) being connected independently of one another to a sense circuit.

According to the invention the lower electrodes (2) are each positioned on an individualized insulating zone (6) which is raised with respect to the insulating substrate (1).

Furthermore, the upper electrode (4) is not flat and is inserted between two adjacent zones (6) until it reaches a level below that of the lower electrodes.

Figure 2